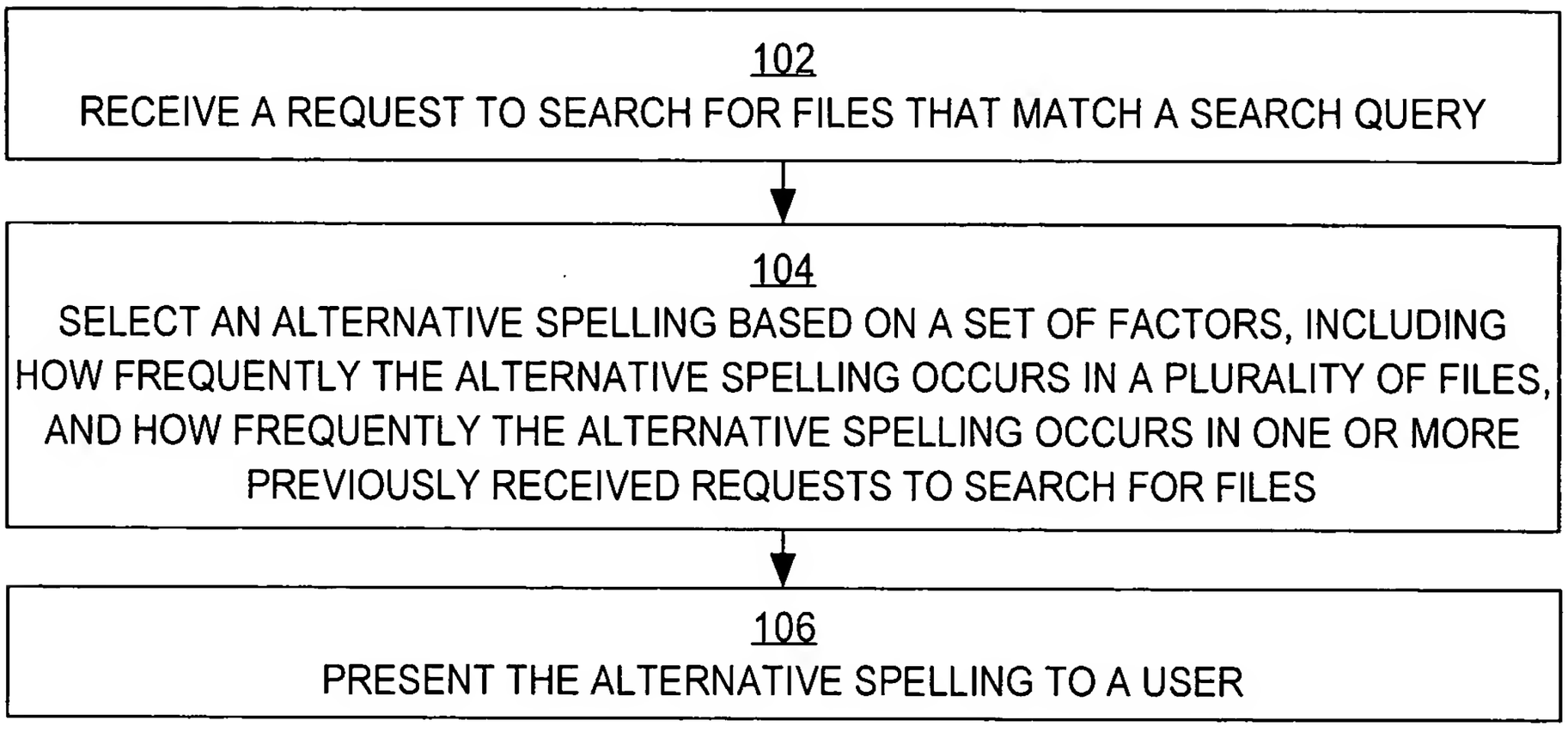

102
RECEIVE A REQUEST TO SEARCH FOR FILES THAT MATCH A SEARCH QUERY
104
SELECT AN ALTERNATIVE SPELLING BASED ON A SET OF FACTORS, INCLUDING HOW FREQUENTLY THE ALTERNATIVE SPELLING OCCURS IN A PLURALITY OF FILES, AND HOW FREQUENTLY THE ALTERNATIVE SPELLING OCCURS IN ONE OR MORE PREVIOUSLY RECEIVED REQUESTS TO SEARCH FOR FILES
106
PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 1

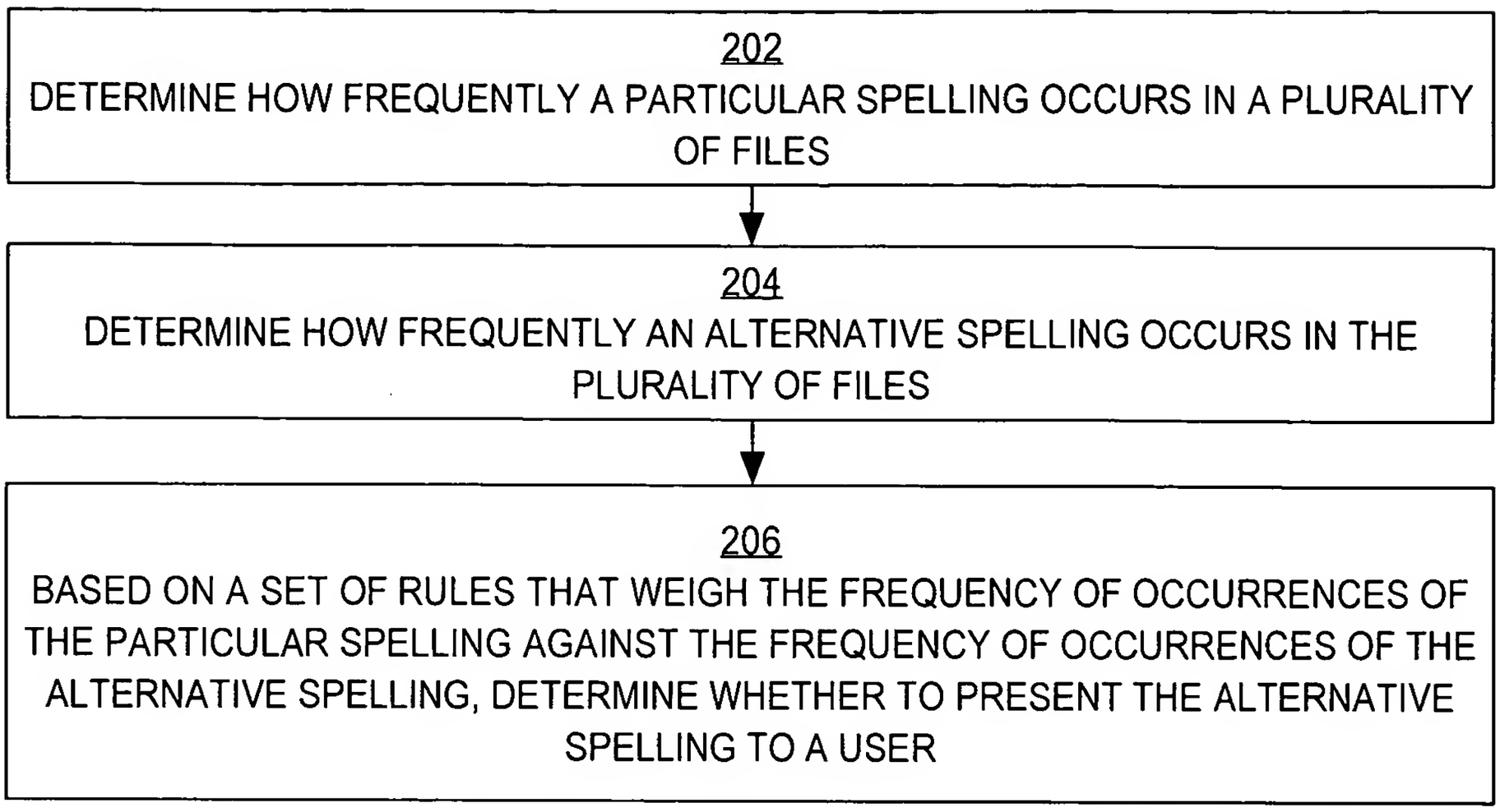

202
DETERMINE HOW FREQUENTLY A PARTICULAR SPELLING OCCURS IN A PLURALITY OF FILES
204
DETERMINE HOW FREQUENTLY AN ALTERNATIVE SPELLING OCCURS IN THE PLURALITY OF FILES
206
BASED ON A SET OF RULES THAT WEIGH THE FREQUENCY OF OCCURRENCES OF THE PARTICULAR SPELLING AGAINST THE FREQUENCY OF OCCURRENCES OF THE ALTERNATIVE SPELLING, DETERMINE WHETHER TO PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 2

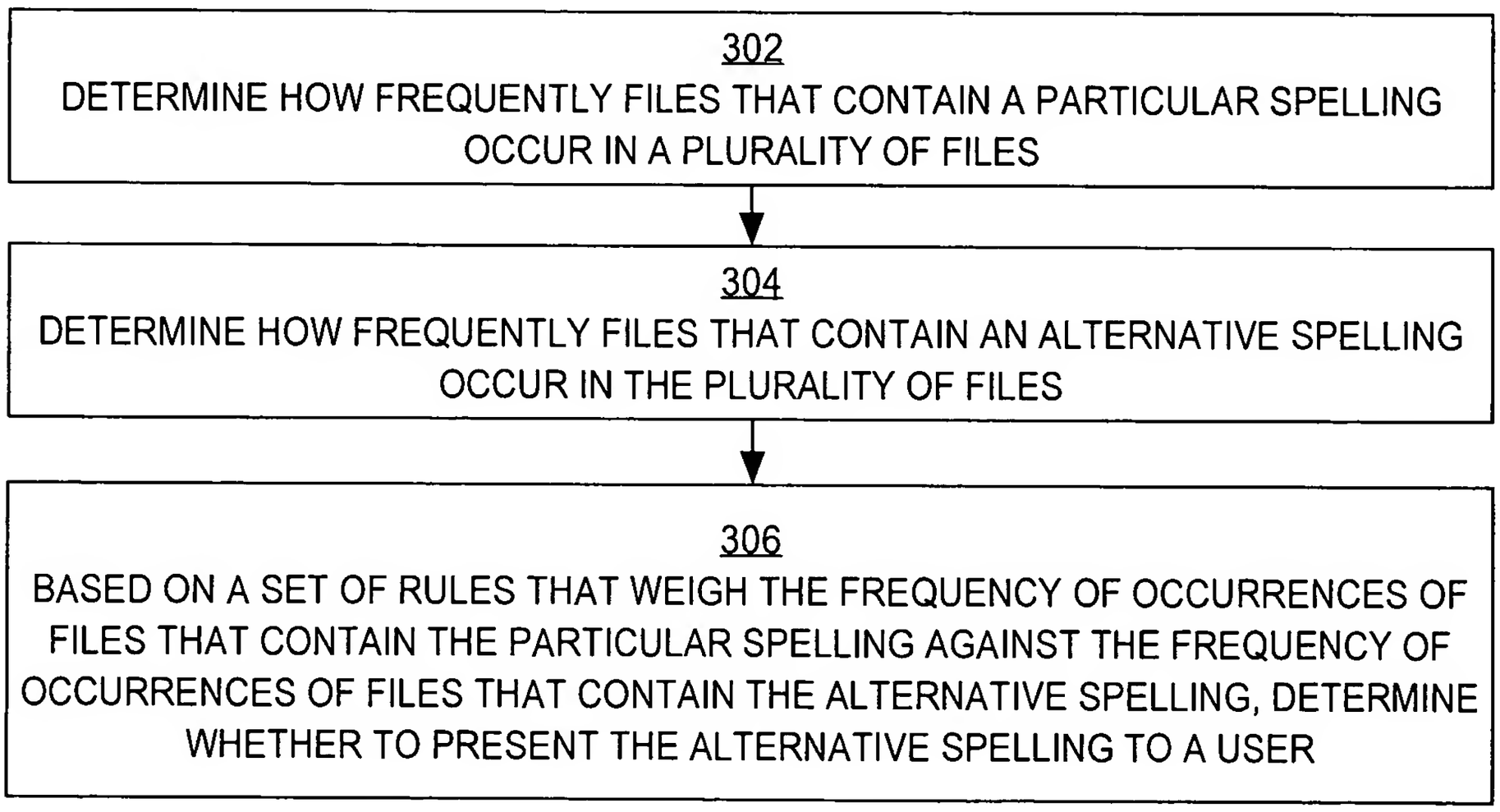

302
DETERMINE HOW FREQUENTLY FILES THAT CONTAIN A PARTICULAR SPELLING OCCUR IN A PLURALITY OF FILES
304
DETERMINE HOW FREQUENTLY FILES THAT CONTAIN AN ALTERNATIVE SPELLING OCCUR IN THE PLURALITY OF FILES
306
BASED ON A SET OF RULES THAT WEIGH THE FREQUENCY OF OCCURRENCES OF FILES THAT CONTAIN THE PARTICULAR SPELLING AGAINST THE FREQUENCY OF OCCURRENCES OF FILES THAT CONTAIN THE ALTERNATIVE SPELLING, DETERMINE WHETHER TO PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 3

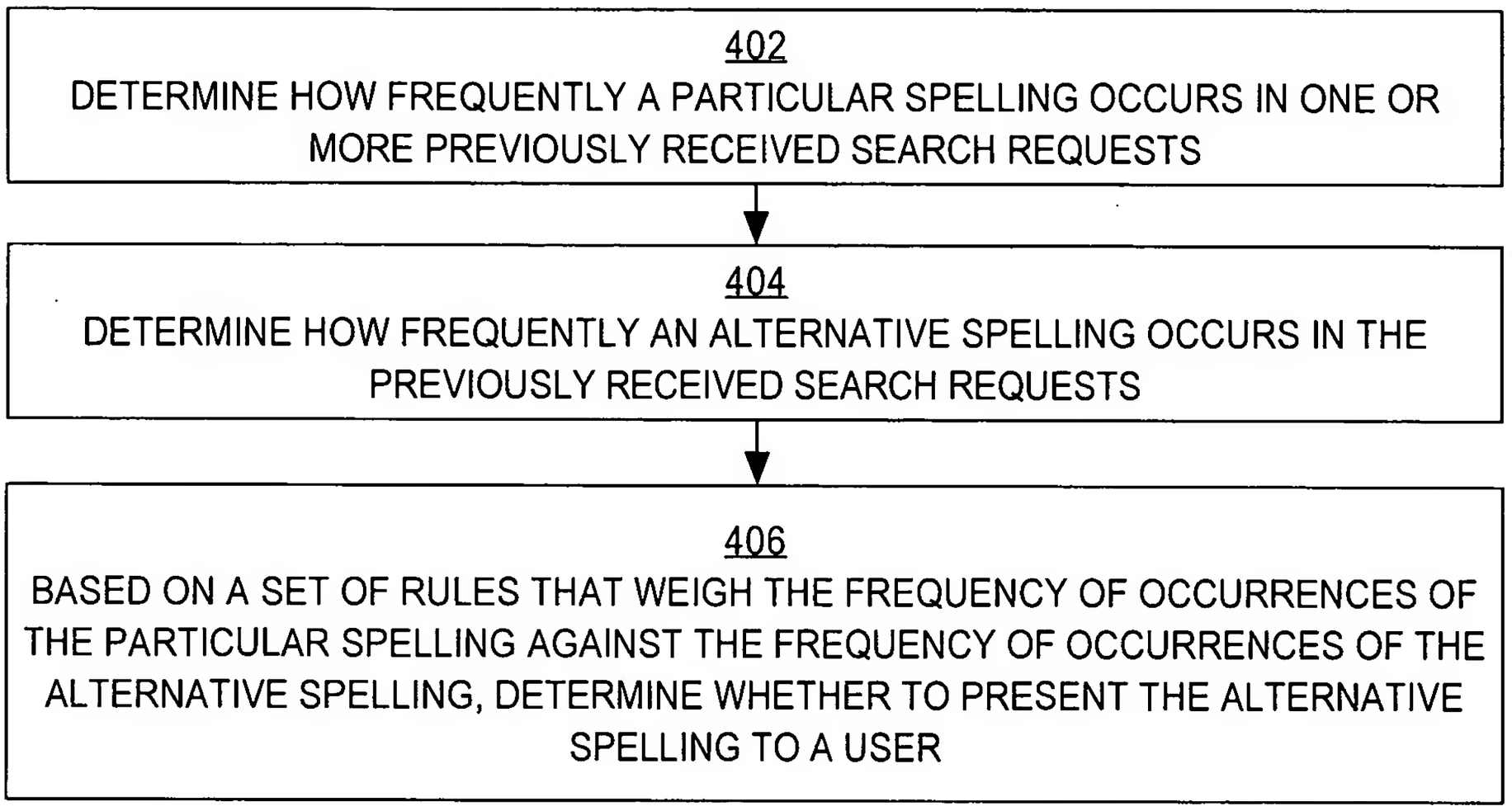

402
DETERMINE HOW FREQUENTLY A PARTICULAR SPELLING OCCURS IN ONE OR MORE PREVIOUSLY RECEIVED SEARCH REQUESTS
404
DETERMINE HOW FREQUENTLY AN ALTERNATIVE SPELLING OCCURS IN THE PREVIOUSLY RECEIVED SEARCH REQUESTS
406
BASED ON A SET OF RULES THAT WEIGH THE FREQUENCY OF OCCURRENCES OF THE PARTICULAR SPELLING AGAINST THE FREQUENCY OF OCCURRENCES OF THE ALTERNATIVE SPELLING, DETERMINE WHETHER TO PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 4

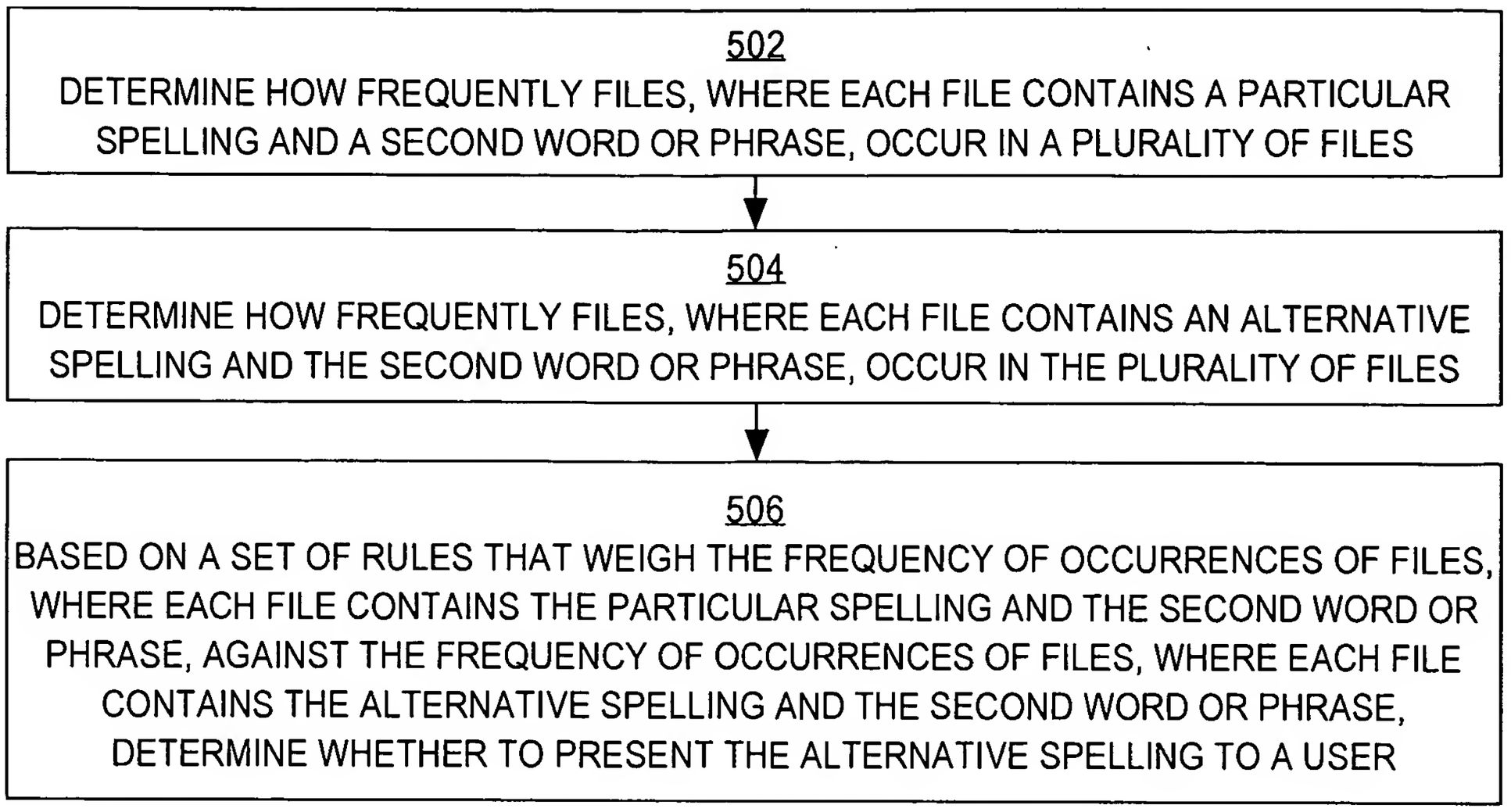

502
DETERMINE HOW FREQUENTLY FILES, WHERE EACH FILE CONTAINS A PARTICULAR SPELLING AND A SECOND WORD OR PHRASE, OCCUR IN A PLURALITY OF FILES
504
DETERMINE HOW FREQUENTLY FILES, WHERE EACH FILE CONTAINS AN ALTERNATIVE SPELLING AND THE SECOND WORD OR PHRASE, OCCUR IN THE PLURALITY OF FILES
506
BASED ON A SET OF RULES THAT WEIGH THE FREQUENCY OF OCCURRENCES OF FILES, WHERE EACH FILE CONTAINS THE PARTICULAR SPELLING AND THE SECOND WORD OR PHRASE, AGAINST THE FREQUENCY OF OCCURRENCES OF FILES, WHERE EACH FILE CONTAINS THE ALTERNATIVE SPELLING AND THE SECOND WORD OR PHRASE, DETERMINE WHETHER TO PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 5

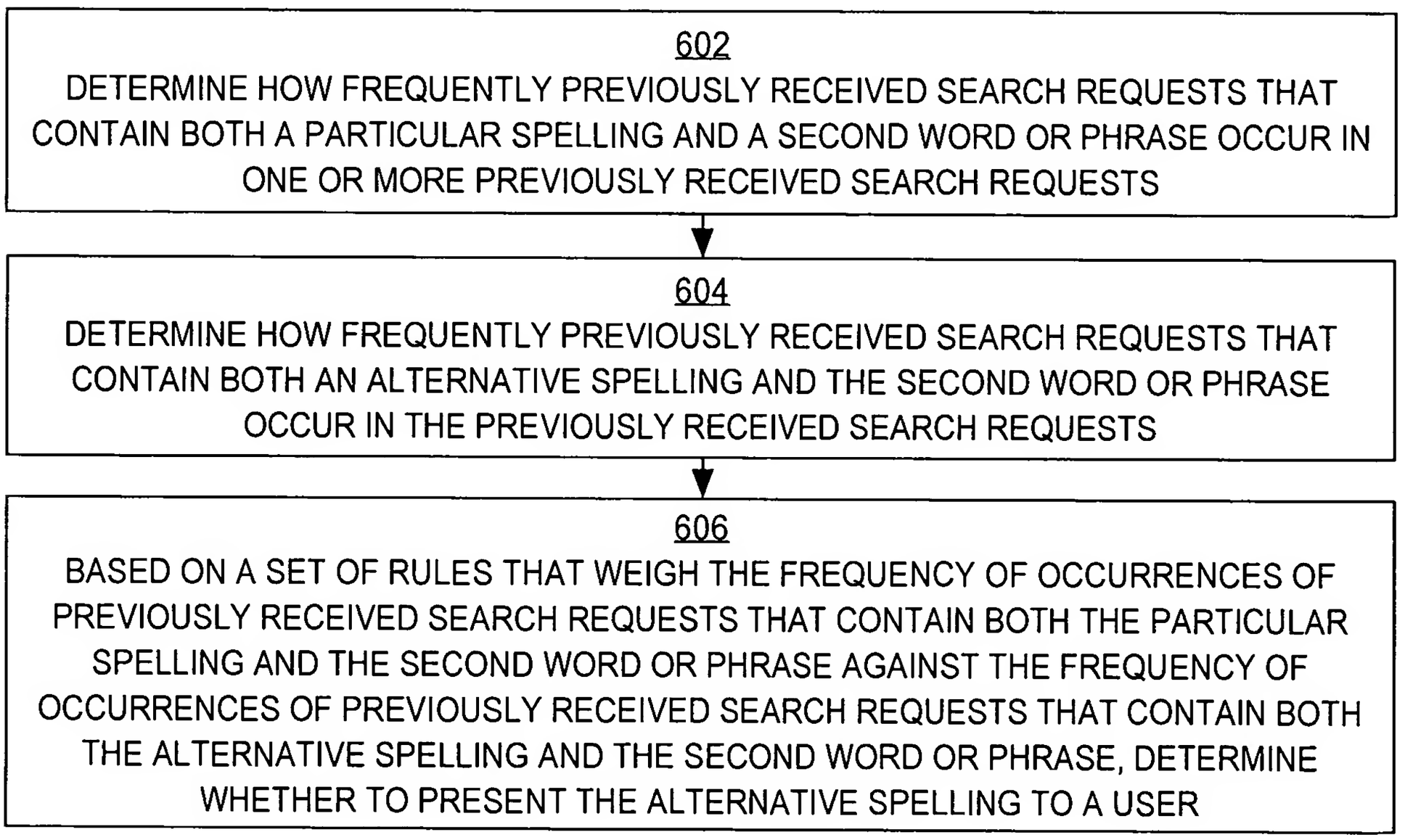

602
DETERMINE HOW FREQUENTLY PREVIOUSLY RECEIVED SEARCH REQUESTS THAT CONTAIN BOTH A PARTICULAR SPELLING AND A SECOND WORD OR PHRASE OCCUR IN ONE OR MORE PREVIOUSLY RECEIVED SEARCH REQUESTS
604
DETERMINE HOW FREQUENTLY PREVIOUSLY RECEIVED SEARCH REQUESTS THAT CONTAIN BOTH AN ALTERNATIVE SPELLING AND THE SECOND WORD OR PHRASE OCCUR IN THE PREVIOUSLY RECEIVED SEARCH REQUESTS
606
BASED ON A SET OF RULES THAT WEIGH THE FREQUENCY OF OCCURRENCES OF PREVIOUSLY RECEIVED SEARCH REQUESTS THAT CONTAIN BOTH THE PARTICULAR SPELLING AND THE SECOND WORD OR PHRASE AGAINST THE FREQUENCY OF OCCURRENCES OF PREVIOUSLY RECEIVED SEARCH REQUESTS THAT CONTAIN BOTH THE ALTERNATIVE SPELLING AND THE SECOND WORD OR PHRASE, DETERMINE WHETHER TO PRESENT THE ALTERNATIVE SPELLING TO A USER

FIG. 6

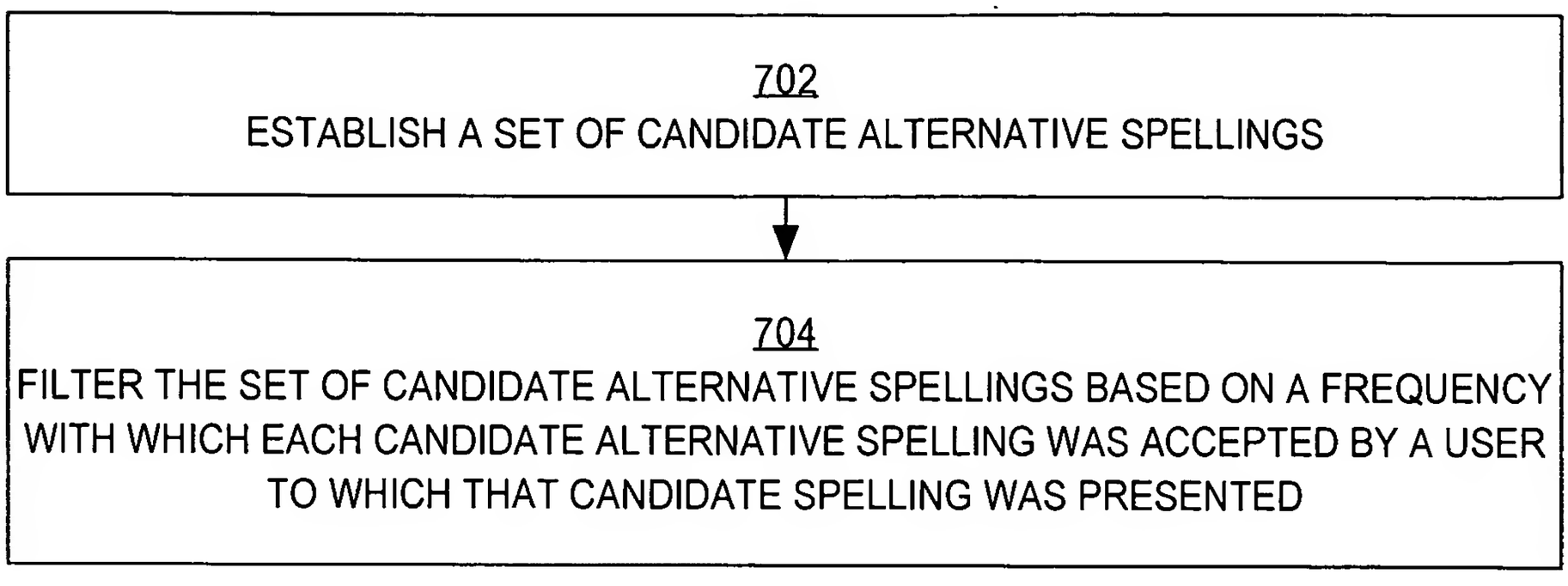

702
ESTABLISH A SET OF CANDIDATE ALTERNATIVE SPELLINGS
704
FILTER THE SET OF CANDIDATE ALTERNATIVE SPELLINGS BASED ON A FREQUENCY WITH WHICH EACH CANDIDATE ALTERNATIVE SPELLING WAS ACCEPTED BY A USER TO WHICH THAT CANDIDATE SPELLING WAS PRESENTED

FIG. 7

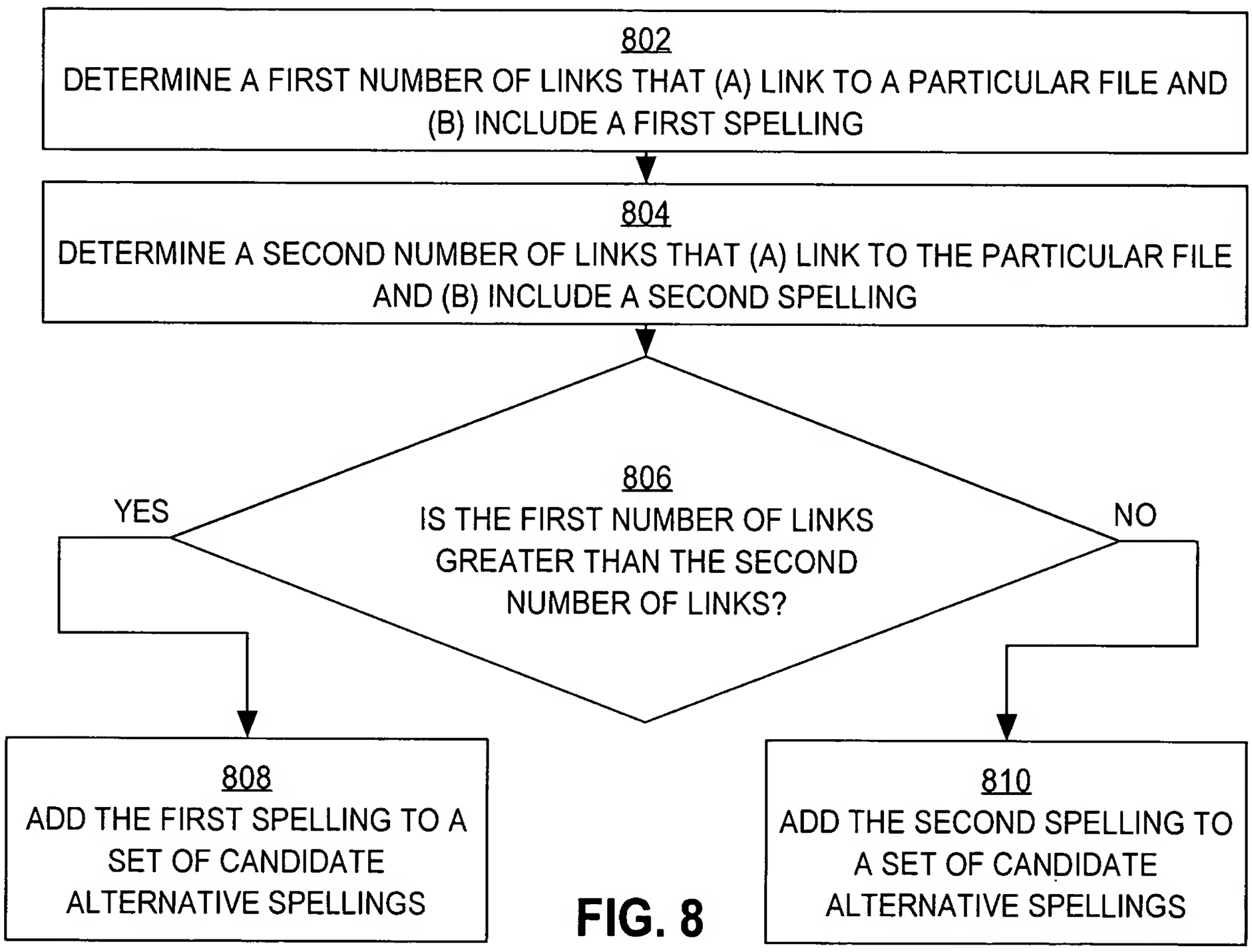
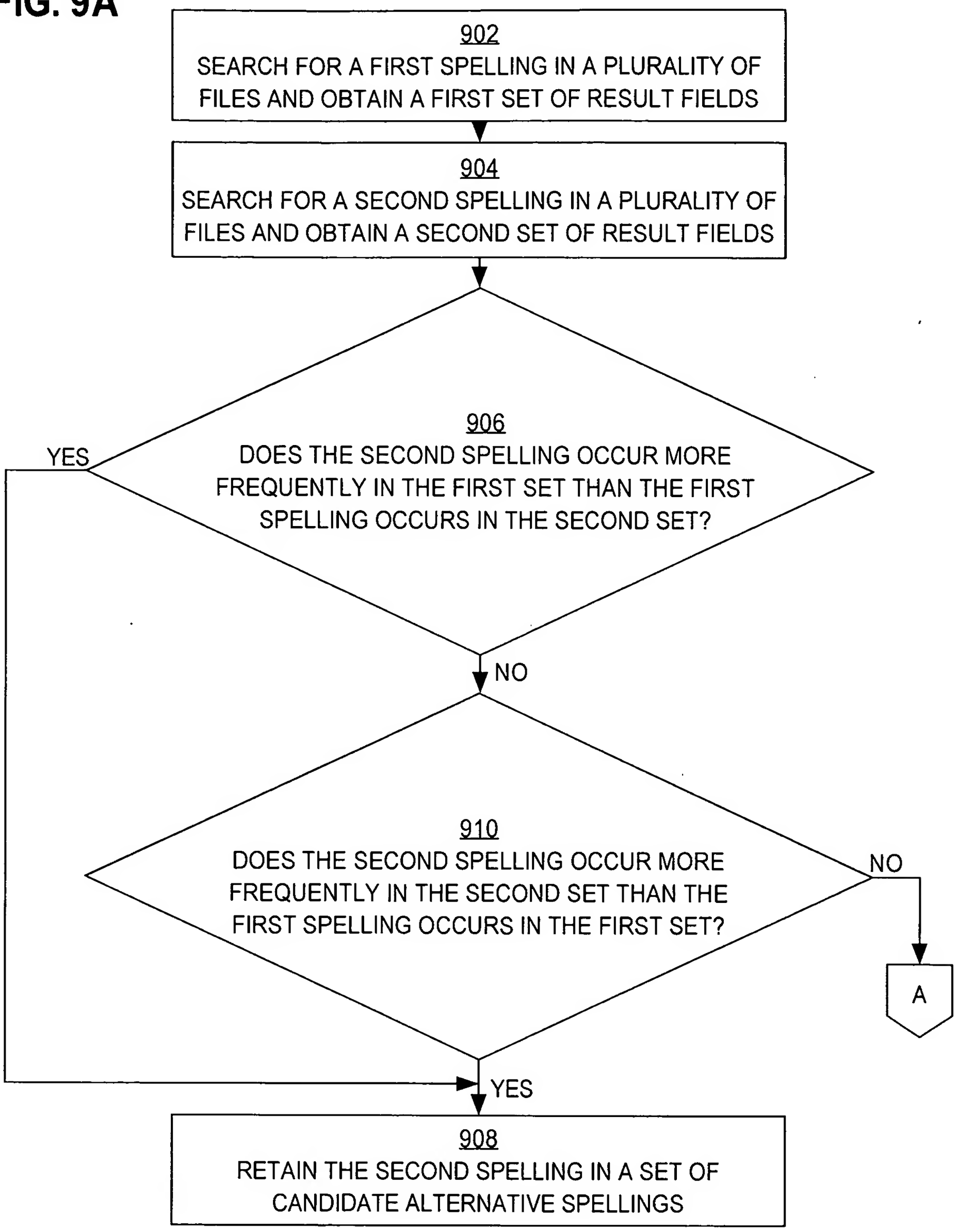

802
DETERMINE A FIRST NUMBER OF LINKS THAT (A) LINK TO A PARTICULAR FILE AND (B) INCLUDE A FIRST SPELLING
804
DETERMINE A SECOND NUMBER OF LINKS THAT (A) LINK TO THE PARTICULAR FILE AND (B) INCLUDE A SECOND SPELLING
806
IS THE FIRST NUMBER OF LINKS GREATER THAN THE SECOND NUMBER OF LINKS?
YES
NO
808
ADD THE FIRST SPELLING TO A SET OF CANDIDATE ALTERNATIVE SPELLINGS
810
ADD THE SECOND SPELLING TO A SET OF CANDIDATE ALTERNATIVE SPELLINGS

FIG. 8

FIG. 9A


902
SEARCH FOR A FIRST SPELLING IN A PLURALITY OF FILES AND OBTAIN A FIRST SET OF RESULT FIELDS
904
SEARCH FOR A SECOND SPELLING IN A PLURALITY OF FILES AND OBTAIN A SECOND SET OF RESULT FIELDS
906
DOES THE SECOND SPELLING OCCUR MORE FREQUENTLY IN THE FIRST SET THAN THE FIRST SPELLING OCCURS IN THE SECOND SET?
YES
NO
910
DOES THE SECOND SPELLING OCCUR MORE FREQUENTLY IN THE SECOND SET THAN THE FIRST SPELLING OCCURS IN THE FIRST SET?
NO
A
YES
908
RETAIN THE SECOND SPELLING IN A SET OF CANDIDATE ALTERNATIVE SPELLINGS

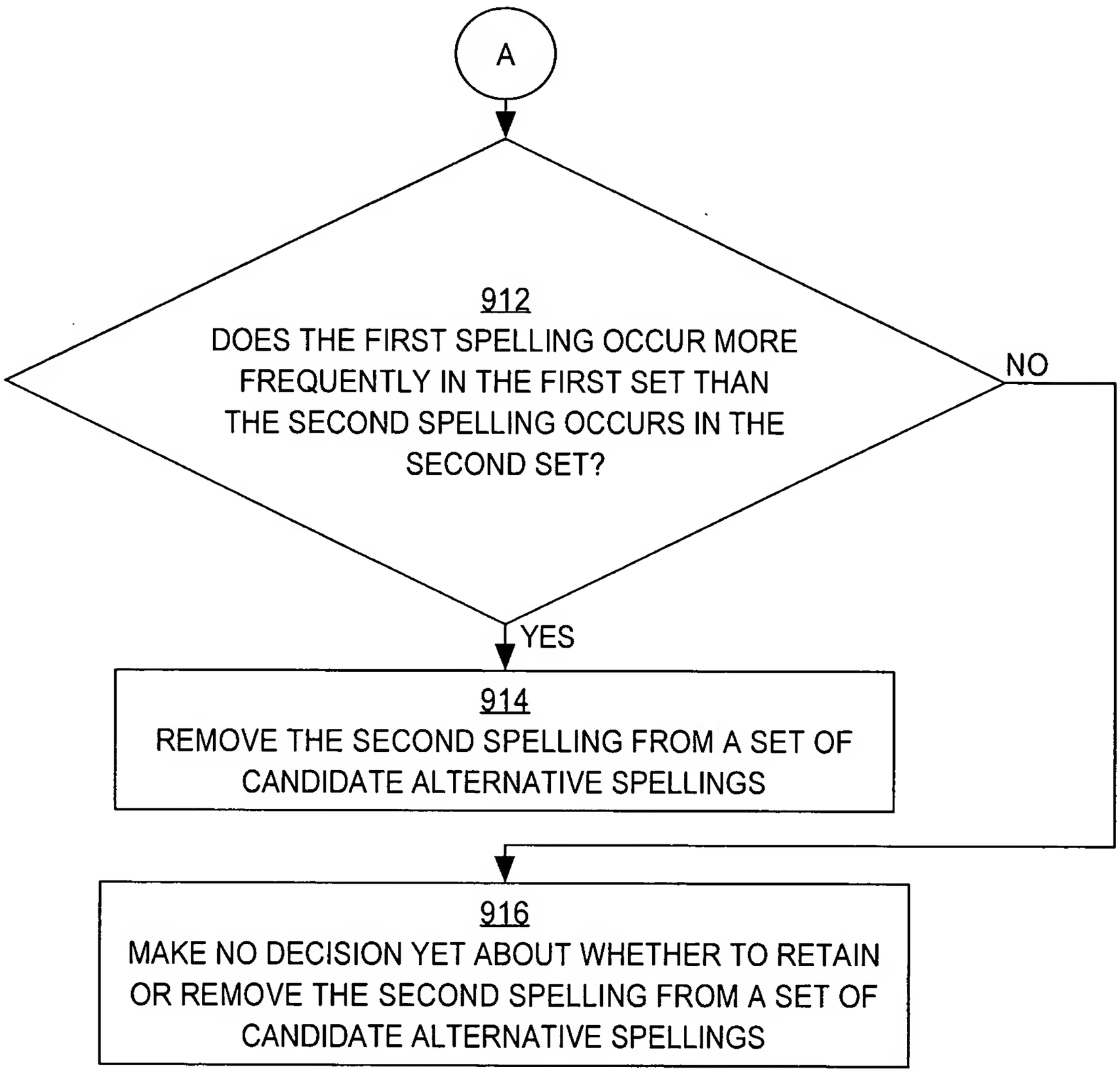

A
912
DOES THE FIRST SPELLING OCCUR MORE FREQUENTLY IN THE FIRST SET THAN THE SECOND SPELLING OCCURS IN THE SECOND SET?
NO
YES
914
REMOVE THE SECOND SPELLING FROM A SET OF CANDIDATE ALTERNATIVE SPELLINGS
916
MAKE NO DECISION YET ABOUT WHETHER TO RETAIN OR REMOVE THE SECOND SPELLING FROM A SET OF CANDIDATE ALTERNATIVE SPELLINGS

FIG. 9B

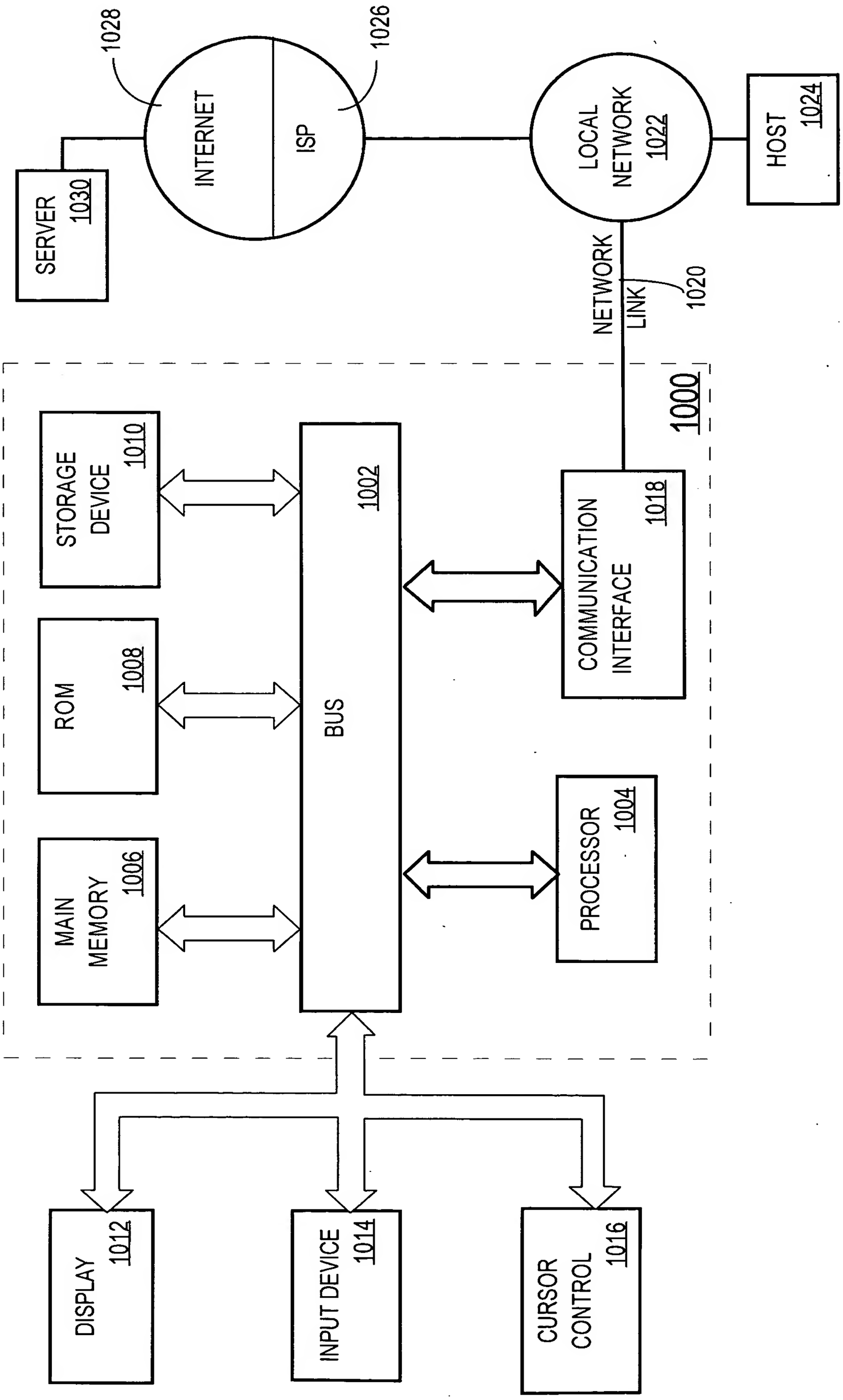

1028
INTERNET
ISP
1026
SERVER
1030
LOCAL NETWORK
1022
HOST
1024
NETWORK LINK
1020
1000
STORAGE DEVICE
1010
ROM
1008
MAIN MEMORY
1006
BUS
1002
COMMUNICATION INTERFACE
1018
PROCESSOR
1004
DISPLAY
1012
INPUT DEVICE
1014
CURSOR CONTROL
1016

FIG. 10